NATIONAL LIBRARY OF MEDICINE
NEWS

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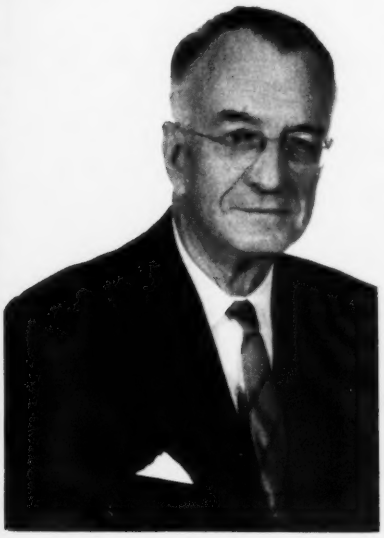
MEDICAL LIBRARY

Dr. Mider Named Acting Deputy

Dr. G. Burroughs Mider has been named Acting Deputy Director of the National Library of Medicine.

Dr. Mider, at NLM as Special Assistant to the Director for Medical Program Development and Evaluation since May 1968, replaced Mr. Scott Adams, who has been detailed to the National Academy of Sciences (see *News*, August 1969).



In announcing Dr. Mider's new appointment, Dr. Martin M. Cummings, NLM Director, also stated that Dr. Peter Olch, Deputy Chief, History of Medicine Division, NLM, will assume additional duties as Special Assistant to Dr. Mider.

Dr. Mider is well known on the NIH campus. Prior to his assignment at NLM last year, he had been the Director of Laboratories and Clinics, NIH, 1960-68.

A native of Windsor, New York, he received his A.B. at Cornell University in 1930 and his M.D. at Cornell Medical College in 1933. He was an intern, assistant resident surgeon, resident surgeon, and an assistant in surgery at the Albany Hospital, Albany, N.Y., from 1933 to 1936. He was an assistant resident in surgery, assistant in surgery, Fellow and Instructor in surgery, at the University of Rochester School of Medicine and Dentistry, Rochester, N.Y., 1936-39.

Dr. Mider first came to NIH as a research fellow at the National Cancer Institute in 1939. In 1941, he became an instructor in pathology and an Assistant Professor of Pathology at Cornell Medical College, 1941-44. Concurrently he was an assistant pathologist, New York Hospital, 1941-44. Then followed assignments as Associate Professor of Pathology, University of Virginia School of Medicine, 1944-45; Research Associate in surgery and Professor of Cancer Research, University of Rochester School of Medicine and Dentistry, 1945-52. On returning to NIH, he became Associate Director in Charge of Research at the National Cancer Institute, 1952-60. He served as Director of Laboratories and Clinics at NIH, 1960-68.

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NATIONAL LIBRARY OF MEDICINE
NEWS

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(Dr. Mider, from Page 1)

Much of Dr. Mider's professional career has been spent in teaching and in science administration. He also enjoys writing and editing, and is expert at both. In addition, he has had a long-standing interest in medical libraries, helping NIH create its own rich working library.

He has served on many committees, including the Committee on Federal Laboratories (FCST), and Board Certification, American Board of Pathology, in Pathologic Anatomy. He is a member of the American Association of Pathologists and Bacteriologists, the American Society for Experimental Pathology, American Association for Cancer Research, and the James Ewing Society, Harvey Society, Washington Academy of Sciences, Washington Academy of Medicine, and Federal Professional Association.

He received the Distinguished Service Award of the Department of Health, Education, and Welfare in 1960 and is a member of Pi Kappa Alpha, Nu Sigma Nu, Alpha Omega Alpha, and Sigma Xi.

Pilot Project Aimed at National Serials System

In addition to its responsibilities within the medical library community, the National Library of Medicine is also heavily involved, along with the other two national libraries, in the development of a comprehensive National Serials System. The most recent advance toward this goal was the decision to undertake a pilot project, covering serial titles held by the three libraries in the fields of science and technology.

The National Agricultural Library, on behalf on the U. S. National Libraries Task Force on Automation and other Cooperative Services, has announced a $100,000 grant to the Association of Research Libraries (ARL) to conduct a pilot project leading to a National Serials System.

In effect, the pilot project constitutes the next phase of the cooperative effort of the three national libraries to build a national data base of serials information. The National Libraries Task Force, established in 1967 by the directors of the National Agricultural Library, the National Library of Medicine, and the Library of Congress, will provide broad policy guidance to the grantee. Current membership of the Task Force included Abraham I. Lebowitz (NAL), Samuel Waters (NLM), and Samuel Lazerow (LC), Chairman.

The Association of Research Libraries expects that procedures which will benefit research libraries as well as the three national libraries will develop out of the pilot project. An advisory committee of university and research librarians, under the chairmanship of William Budington, John Crerar Library, Chicago, has been appointed to oversee the project for the ARL.

The pilot project will produce a union list of the live scientific and technical serials held by the three national libraries, and will provide data about the characteristics

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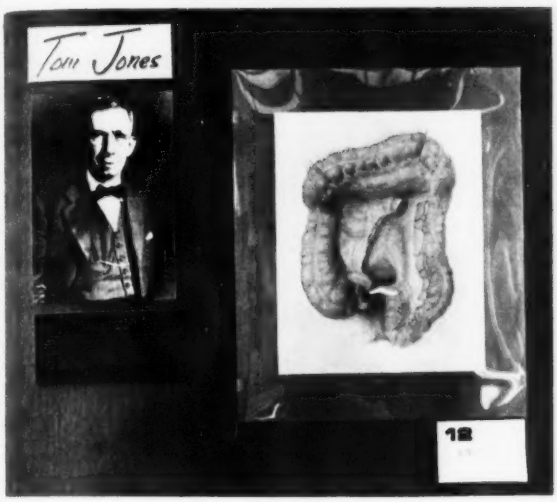
Exhibit Features Medical Illustrations



Now on display in the NLM Lobby are works by two of the world's outstanding medical illustrators, Max Brödel (1870-1941) and Tom Jones (1885-1961), as well as drawings by some of their students, highlighting NLM's new "Medical Illustrations" exhibit.

Working at the schools of medicine of the Johns Hopkins University and the University of Illinois, respectively, Brödel and Jones founded and directed the two most notable teaching centers of medical illustration in this country. While differing in temperament and background, and employing individual techniques of illustration, each artist was a master of his profession, with high standards of performance that his students were inspired to emulate.

Brödel, trained in meticulous draftmanship and the graphic arts, was a research scientist as well as an artist. Jones, in addition to his artistic activities, expounded a broad concept of medical communication through visual media. The work of both men, and that of their students, has been featured in important medical texts and journals. Each contributed significantly to medical research and education through the excellence, clarity, and volume of their illustrations.

The Library acknowledges with appreciation the loan of medical illustrations by many organizations and individuals to enrich this exhibit. Particular recognition is due to Mr. Biagio Melloni, Department of Medical and Dental Communications, Georgetown University; Mrs. Ranice Crosby, Department of Art as Applied to Medicine, Johns Hopkins University; the Archive of Medical Visual Resources, Harvard Medical Library; and the Armed Forces Medical Museum.

One hundred and twenty members of the Association of Medical Illustrators, in Washington for a four-day seminar, visited the Library on Monday evening, September 15, to view the exhibit and NLM's new "tutorial environment" (see page 5).

The exhibit will remain at the Library until December 19. It is open to the public Monday through Friday, 8:30 a.m. - 9:00 p.m., and Saturday, 8:30 a.m. - 5:00 p.m.

Miss Sewell President-Elect of DIA

Miss Winifred Sewell, Chief of the Drug Literature Program, Specialized Information Services, NLM (left) has been elected president-elect of the Drug Information Association for 1969-70. She served as vice-president, 1966-67.

Organized in 1965, the Drug Information Association (DIA) has approximately 1,000 members, including health scientists and information scientists whose primary concern is drugs. It has conducted symposia on current problems in collecting, distributing, and evaluating drug information. For example, the proceedings of its meeting on "Formulation Factors Affecting Therapeutic Performance of Drug Products" were published in the January-June issue of the 1969 Drug Information Association Bulletin.

She is a graduate of the State College of Washington and has a B.S. in Library Science from Columbia University. A native of Newport, Washington, Miss Sewell was assigned as Deputy Chief, Bibliographic Services Division, NLM, 1962-65 before becoming Chief of the Drug Literature Program. She is also an adjunct lecturer, University of Maryland, School of Library and Information Service. She was the editor of Unlisted Drugs, 1949-59 and 1962-64. She is a member of the American Society for Information Science, Special Libraries Association, American Library Association, Medical Library Association, and the International Federation of Pharmacy Commission on Pharmaceutical Abstracts.

With Mr. Donald F. Walker, Jr., an NLM Drug Literature Specialist, she co-authored a paper entitled "Computer-Assisted Identification of Medical Subject Headings for Drugs and Chemicals," which was presented by Miss Sewell at the recent 158th National Meeting of the American Chemical Society in New York City on September 9th.

(National Serials System, from Page 2)

of serials and the effectiveness of various techniques for handling serial information. The experience gained in the fields of science and technology are expected to be of value in the anticipated expansion of this data base to emcompass all fields of knowledge and all types of serials information.

The control of the serial literature has been a matter of concern to the national libraries for many years. Most recently, this concern was demonstrated by the establishment of the National Serials Data Program with the Library of Congress serving as executive agent for Phase I. Upon completion of this phase, directors of the three national libraries approved the pilot undertaking as the initial step toward establishment of a National Serials System. During Phase I of the National Serials Data Program, the Library of Congress developed a draft format for recording bibliographic data about serials in digital form. This format has been issued by the Library of Congress as "Serials: A MARC Format." The pilot project will utilize this, and other previous work, to the greatest extent possible.

Elizabeth J. Sawyers, Special Assistant to the Associate Director for Library Operations, NLM

"Tutorial Environment" at NLM

A compact specialized automated classroom of the future has been introduced at the National Library of Medicine. The specially constructed tutorial environment enables a medical student to sit at a console and have an entire study plan unfold before him, utilizing his senses of sight, hearing, and touch.

Seated before an array of modular cabinets combined with a control console, the student or doctor can interact with the Tutorial Environment System (TES). From this one position he activates high-fidelity speakers, back-projection viewing screens, and even an oscilloscope, to view a motion picture of a brain being dissected. This is reinforced by microscopic and projected slides, tape recordings, drawings, models, and even a fixed brain for direct examination.

Also available at his fingertips are several plastic-encapsulated specimens of brain tissue, along with brain castings made from a material which closely resembles the human brain in texture, weight, and color.

The automated system was developed by the Department of Neurosciences of the School of Medicine of the University of California under contract to the National Library of Medicine. Early guidance was supplied by the National Advisory Committee for the Neurosciences Study Program, a group of 46 nationally known scientists and technical specialists in the fields of neurosciences, communications, and education.

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New Associates Report

This month, the Library welcomed three candidates for postgraduate training in the National Library of Medicine Associate Program for 1969/70. They are (below, from left) Miss Barbara Louise Greehey, Miss Cecile Claudette Quintal, and Miss Willerma Frazier.

Miss Greehey holds a B.S. in English and Nursing from Villanova University (1961) and received an M.L.S. from the University of Michigan in 1969. She worked as a library clerk at the Burlington (Vermont) Free Library, as a laboratory technician in the Department of Physiology of Harvard Medical School from 1966 to 1968, and part-time in the University of Michigan Graduate Library while earning her Master's degree.

Miss Quintal received a B.A. in Biology from Anna Maria College, Paxton, Massachusetts, in 1961, after which she taught high school biology and chemistry until 1966. In 1967-68, she held positions as a technical information abstracter and coder at Charles Pfizer & Co. Miss Quintal holds a M.L.S. in Medical Librarianship from the University of Illinois (1969).

Miss Frazier earned both a B.S.Ed. and a B.A. in Biology from South Carolina State College, and holds an M.S. in Bio-medical Library Science from the University of Illinois. She has worked in various capacities in both college and high school libraries.

The Associates will spend a year in intensive academic study and specialized work at the operational level, in order to receive comprehensive training in modern medical library science. Supplementing study and work are seminars and lectures, after-hours postgraduate study, visits to area medical and research libraries and information centers, and attendance at meetings of professional librarians in the Washington metropolitan area.

TIP Consultant Named

NLM Director Martin M. Cummings, M.D., has announced the appointment of John T. Litchfield, Jr., M.D., as a consultant to the Library's Toxicology Information Program.

Dr. Litchfield will serve as an authority within NLM for the improvement of the Toxicology Information Exchange and dissemination of toxicological information. He will advise on the potentialities, feasibility, and efficiency of existing and proposed programs for the improvement of toxicological information communication.

He will also assist in developing policies and guidelines for the Toxicological Information Exchange, providing technical leadership, and administering the exchange.

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New Group Starts MEDLARS Training

A class of fifteen is scheduled to begin MEDLARS training at the Library on September 29. The course will open, as is customary, with indexing instruction by Mrs. Thelma Charen of the Indexing Section, Bibliographic Services Division. Later sessions will focus on Medical Subject Headings (MeSH) and search training, as well as on general concepts of information storage and retrieval. Members of the class are:

Miss Laurabell Eakin	University of Pittsburgh
Miss Alison E. Flynn	Emory University
Mr. Paul S. Hanson	UCLA MEDLARS Center
Miss Helen K. Jones	Alabama MEDLARS Center
Dr. Hedwig Shirner	Bundesministerium fur Gesundheitswesen, Germany
Dr. Edith Velten-Schuberth	" " " "
Miss Esther Wei	Ohio MEDLARS Center
Miss Margaret E. Wineburgh	Vision Information Center
Mr. Theodore Webster	NLM, Index Section, BSD
Mr. Tulane Howard	NLM, Index Section, BSD
Miss Marilyn M. Wolf	Colorado MEDLARS Center
Miss Willerma Frazier	NLM Library Associate - Indexing only
Miss Barbara Greehey	NLM Library Associate - " "
Miss Cecile Quintal	NLM Library Associate - " "
Miss Helen E. Lea	University of Washington

("Tutorial Environment," from Page 5)

The Tutorial Environment System is available to medical students, physicians, and scientists during the Library's regular hours, Monday through Friday, 8:30 a.m. - 9:00 p.m. and on Saturday, 8:30 a.m. - 5:00 p.m.

There are tapes and film-loaded cassettes to enable one to see and hear nerve impulses as presented on the oscilloscope, a play-back of a videotape showing a dissection recorded earlier in the year - and even a book-shelf nearby containing standard texts for easy quick reference.

Although it is currently programmed for studies in the neurosciences, TES can be reprogrammed for instruction in other curriculum areas. As now programmed, it provides a learning guide for medical students in their quest of conceptual and technical skills basic to neurology and to research and teaching in the neurosciences.

TES is not intended to supplant medical faculty with technological gadgetry. Rather, according to Dr. Charles F. Bridgman of the University of California San Diego, Project Director, "the system will reinforce and perhaps compress the learning experience, but must be seen in the perspective of an adjunct to the efforts of an excellent faculty working with carefully selected students." He added that seven production models are nearing completion for use by the University of California San Diego this fall.

During the next year, visitors at the National Library of Medicine will be asked not only to work TES as a student might, but also to help in evaluation of its effectiveness. Walking through the display, which covers some 250 square feet and is located just off the public catalog area beyond the NLM lobby, each visitor will first see a 13-minute color film explaining TES, its concepts and methods.

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("Tutorial Environment," from Page 7)

The professional student may then sit at the console and operate the system, using the study guide provided. An event recorder will follow his moves and help in later evaluation of the system.

As the visitor leaves the display, he or she will be asked to "talk" their reactions into a phone where they will be automatically taped. For those who would rather write impressions and opinions, there will be a printed form available.

Reference Telephone Service

An automatic answering and recording instrument is now part of the Library's reference information telephone service. The device, used when the Library is closed, transmits a one-minute recorded message on Reading Room hours and instructions on how a patron may leave a recorded reference request to be answered during subsequent working hours. The Reference information number is (301) 496-2002.

The Library's regular hours are 8:30 a.m. - 9:00 p.m., Monday through Friday, and 8:30 a.m. - 5:00 p.m., on Saturday.

(TIP Consultant, from Page 6)

Dr. Litchfield received his M.D. from the University of Minnesota. His major fields of interest are preventive medicine, pharmacology, and chemotherapy. As Director of Research, Lederle Laboratories of American Cyanamid Co., he was responsible for the planning, conduct, and supervision of a vast medical research program. Earlier, he taught at Johns Hopkins Medical School and the University of Minnesota Medical School. He has many publications in the fields of pharmacology, experimental therapeutics and toxicology. He is a member of the American Society of Pharmacology and Experimental Therapeutics, the Society of Toxicology, American Association for the Advancement of Science, and the Society for Experimental Biology and Medicine.